Abdoul Jalil Djiberou Mahamadou
AI Research Scientist
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Experience

Postdoctoral Fellow   Stanford Center for Biomedical Ethics – USA   **June 2023 – Present**
Advisors: Dr. Russ Altman, Dr. Mildred Cho, and Dr. David Magnus
Investigating the ethical, legal, and societal implications of healthcare AI to recommend policies for the responsible development and use of AI.

Postdoctoral Fellow   Simon Fraser University – Canada   **Aug. 2022 – May 2023**
Used AI for precision cognitive aging interventions to prevent cognitive decline in older age.

Postdoctoral Fellow   CNRS-LIMOS – France   **May 2022 - July 2022**
Contributed to developing a linear time and memory complexity anomaly and concept drift detection algorithm for stream data.

Machine Learning Researcher   Prevision.io – France   **Oct. 2021 - Feb. 2022**
Wrote seven technical data science articles for the effective use of Prevision.io's SaaS and contributed to the literature review on AI, DevOps, and Model Engineering in the European AIDOaRT project context.

Doctoral Researcher   CNRS-LIMOS – France   **Oct. 2018 - Oct 2021**
Developed two unsupervised algorithms for qualitative data mining and uncertainty quantification.

Education
2021 Ph.D. in Computer Science, Clermont Auvergne University, France.
Thesis: Development of Clustering Algorithms for Categorical Data with Applications in Health.
2018 M.Sc. in Computer Science (joint degree) Clermont Auvergne University, France.
2018 M.Eng. in Applied Mathematics and Modelling, Clermont Auvergne University, France.
2015 B.Sc. in Applied Mathematics and Applications, University of Fez, Morocco.

Selected Awards, Grants, and Distinctions
2022   Mitacs Accelerate Industrial Postdoctoral Fellowship, $89 000
2019   Top-performing Nigerien student in France, Réseau des étudiants Nigériens de France
2019   First place at Data Science Olympics Follow-up Competition, defeated Prevision.io's Automated Machine Learning software and got an offer from the company
2018   Ph.D. funding, The French National Research Agency, $113 000

Selected Publication
Anne Marthe Sophie Ngo, **Abdoul J. Mahamadou**, Michael F. Mbouopda, Engelbert MN. (2022). DragStream: An anomaly and concept drift detector in data streams. International Conference on Data Mining IncrLearn Workshop.